U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

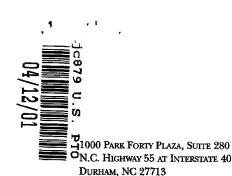
## UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. First Inventor		0262-005				
		Jacobs, Scott L.				
Title	Microelectron	ic Packages Including Thin				

Express Mail Label No. EL801240843US (Only for new nonprovisional applications under 37 CFR 1.53(b)) Assistant Commissioner for Patents APPLICATION ELEMENTS ADDRESS TO: Box Patent Application Washington, DC 20231 See MPEP chapter 600 concerning utility patent application contents. CD-ROM or CD-R in duplicate, large table or Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission Applicant claims small entity status. See 37 CFR 1.27. (if applicable, all necessary) Specification [Total Pages Computer Readable Form (CRF) 3. LX (preferred arrangement set forth below) - Descriptive title of the invention Specification Sequence Listing on: - Cross Reference to Related Applications CD-ROM or CD-R (2 copies); or - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, paper or a computer program listing appendix Statements verifying identity of above copies - Background of the Invention - Brief Summary of the Invention ACCOMPANYING APPLICATION PARTS - Brief Description of the Drawings (if filed) Assignment Papers (cover sheet & document(s))copy - Detailed Description Power of 37 CFR 3.73(b) Statement - Claim(s) 10. Attorney - Abstract of the Disclosure (when there is an assignee) English Translation Document (if applicable) Drawing(s) (35 U.S.C. 113) [ Total Sheets 4. X Copies of IDS Information Disclosure Citations [ Total Pages Statement (IDS)/PTO-1449 5. Oath or Declaration CODY Preliminary Amendment 13 Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d)) Return Receipt Postcard (MPEP 503) 14. (Should be specifically itemized) (for continuation/divisional with Box 18 completed) Certified Copy of Priority Document(s) (if foreign priority is claimed) **DELETION OF INVENTOR(S)** Signed statement attached deleting inventor(s) Request and Certification under 35 U.S.C. 122 named in the prior application, see 37 CFR (b)(2)(B)(i). Applicant must attach form PTO/SB/35 1.63(d)(2) and 1.33(b). or its equivalent. x Application Data Sheet. See 37 CFR 1.76 Other: Check for \$355.00 17. X 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: of prior application No.. Continuation-in-part (CIP) Continuation  $\mathbf{x}$ Divisional Group Art Unit: 2823 Examiner Collins, D. Prior application information: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under The River Sture of the accompanying continuation or divisional application and is hereby incorporated by reference. Box 5b, is considered when a portion has been inadvertently omitted from the submitted application parts. The incorporation can 19. CORRESPONDENCE ADDRESS 26108 Correspondence address below Customer Number of Book Code (Insert Customer No. or Attach bar code label here) Name Daniels & Daniels, P.A. Post Office Drawer 12218 Address Zip Code 27709-2218 Research Triangle Park State NC City Fax 9195445920 Telephone 919 544-5444 UNITED STATES Country

Name (Print/Type)	Kevin E. Flynn	Registration No. (Attorne	y/Agent)	37,325
Signature	N FI		Date	04/12/2001
Signature	Ver & try			dual ages. Any comment

Burden Hour Statement: This form is estimated to take 02 bours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



04-13-07

## DANIELS & DANIELS, P.A.

ATTORNEYS AT LAW
POST OFFICE DRAWER 12218
RESEARCH TRIANGLE PARK, NC 27709-2218



TELEPHONE: (919) 544-5444 TELECOPIER: (919) 544-5920 INTERNET: www.daniels.com

April 12, 2001

Assistant Commissioner for Patents BOX PATENT APPLICATION Washington, D.C. 20231

Divisional Class 257 Subclass 777

RE: U.S. Divisional Patent Application for MICROELECTRONIC PACKAGES
INCLUDING THIN FILM DECAL AND DIELECTRIC ADHESIVE LAYER HAVING
CONDUCTIVE VIAS THEREIN

Based on U.S. Patent Application 09/306,463 for Microelectronic Packages Including Thin Film Decal and Dielectric Adhesive Layer Having Conductive Vias Therein, and Methods of Fabricating the Same, filed May 5, 1999 (for which a Notice of Allowance was issued on January 17, 2001) which claims priority to

U.S. Provisional Application 60/084,450

Docket No. 0262-005

## Dear Sir:

This divisional application is being filed in accordance with 37 C.F.R. 1.53(b). Section 201.06 of MPEP Version 7.1 requests that applicants include certain information. Thus, Applicant provides the following information.

- (A) An election/restriction requirement mailed 08/18/99 in the parent case termed the claims submitted herewith as drawn to a semiconductor device, classified in class 257, subclass 777.
- (B) The parent case, identified above, received a Notice of Allowance and Issue Fee Due dated January 17, 2001, from Deven Mark Collins in Group Art Unit 2823. A payment of the issue fee and submission of formal drawings in the parent case will occur on or before April 17, 2001.
- (C) The application has been modified to make reference and claim priority from the parent application and through the parent to the parent's priority document, a provisional.

In accordance with suggested practice under Section 201.06(C) of the MPEP applicant hereby incorporates by reference parent application 09/306,463 into the divisional application filed herewith.

Enclosed herewith, please find the documents listed below.

- 1. U.S. Divisional Patent Application Transmittal Sheet (PTO/SB/05) (1 page);
- 2. Fee Transmittal Sheet (1 page) in duplicate;
- 3. Check in the amount of \$355.00;
- 4. U.S. Divisional Patent Application for MICROELECTRONIC PACKAGES INCLUDING THIN FILM DECAL AND DIELECTRIC ADHESIVE LAYER HAVING CONDUCTIVE VIAS THEREIN (27 pages);
- 5. Twelve (12) sheets of drawings for the above-referenced application;
- 6. Photocopy of previously filed parent application Declaration and Power of Attorney (3 pages);
- 7. Application Data Sheet (37 CFR 1.76) (2 pages);
- 8. Photocopy of previously filed Information Disclosure Statement in the parent application Form PTO-1449 without cited art (on file at the United States Patent and Trademark Office in the parent application U.S. Patent Application Serial No. 09/306,463);
- 9. Photocopy of previously executed parent application Declaration and Power of Attorney (PTO/SB/01) (3 pages);
- 10. Copy of Form PTO/SB/83 Request for Withdrawal as Attorney or Agent from Mitchell S. Bigel filed on February 25, 2000;
- Copy of Form PTO/SB/81 Power of Attorney or Authorization of Agent Not Accompanying Application dated February 17, 2000;
- 12. Copy of Notice regarding Power of Attorney dated May 18, 2000 from the United States Patent and Trademark Office accepting the Power of Attorney filed February 18, 2000;
- 13. Copy of Statement Under 37 CFR 3.73(b), Form PTO/SB/96, with Assignment Recordation Sheet and copy of executed Assignment dated May 4, 1998 for the priority application;
- 14. Return Receipt Postcard; and
- 15. Express Mail No. EL801240843US.

Please contact the undersigned should you have any questions.

Sincerely

Kevin E. Flynn Reg. No. 37,325

## Enclosures

 $\label{local-condition} $$\DANIELS_FS1\SYS\CL\0262-005\Util\ App\ Fwd.\ PTO.doc $$$ 

FEE TRANSMITTAL

for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

DANCE	AITT A I	Complete if Known			
<b>TRANSMITTAL</b>		Application Number	Not Assigned		
or FY 2001		Filing Date	Herewith		
es are subject to annual revision.		First Named Inventor	Jacobs, Scott L. Collins, D. (parent application) 2823		
		Examiner Name			
		Group/Art Unit			
F PAYMENT	(\$) 355.00	Attorney Docket No.	0262-005		

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)				
The Commissioner is hereby authorized to charge indicated	3. A	DDITI	ONAL	FEES		
1. [fees and credit any overpayments to:	Large E		Small E		Fee Description	Fee Paid
Tool and doubterly overpay.	Fee	Fee	Fee	Fee		
Deposit Account	Code 105	( <b>\$)</b> 130	<b>Code</b> 205	( <b>\$</b> ) 65	e de la constante	
Number					Surcharge – late filing fee or oath	<u> </u>
	127	50	227	25	Surcharge – late provisional filing fee or cover sheet.	
Deposit	139	130	139	130	Non-English specification	
Account	155	100	139	100	Tion English openingsie.	
Name Applicant Claims Small Entity Status	147	2,520	147	2,520	For filing a request for reexamination	
Charge Any Additional Fee Required	```	_,===		_,	•	
Under 37 CFR 1 16 and 1 17	1					
2. Payment Enclosed:	112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
Money	113	1,840*	113	1,840*	Requesting publication of SIR after	
Check Money Other	''3	.,	1 10	.,-	Examiner action	
FEE CALCULATION		110	215	55	Extension for reply within first month	
1. BASIC FILING FEE		390	216	195	Extension for reply within second month	
	117	890	217	445	Extension for reply within third month	
Large Entity Small Entity Fee Fee Fee Fee Description	118	1,390	218	695	Extension for reply within fourth month	
Code (\$) Code (\$) Fee Pald	128	1.890	228	945	Extension for reply within fifth month	
101 710 201 355 Utility filing fee 355.00		,	219	155	Notice of Appeal	
106 320 206 160 Design filing fee	119	310				<u> </u>
107 490 207 245 Plant filing fee	120	310	220	155	Filing a brief in support of an appeal	
108 710 208 355 Reissue filing fee	121	270	221	135	Request for oral hearing	
114 150 214 75 Provisional filing fee	138	1,510	138	1,510	Petition to institute a public use proceeding	<u> </u>
	140	110	240	55	Petition to revive – unavoidable	<del></del>
SUBTOTAL (1) (\$) 355.00	141	1,240	241	620	Petition to revive – unintentional	
2. EXTRA CLAIM FEES	142	1,240	242	620	Utility issue fee (or reissue)	
Fee from Extra Claims Below Fee Paid	143	440	243	220	Design issue fee	
Total Claims 15 -20**= 0 x =	144	600	244	300	Plant issue fee	
Independent 2 - 3**= 0 X =	122	130	122	130	Petitions to the Commissioner	
Multiple Dependent =	123	50	123	50	Petitions related to provisional applications	
**or number previously paid, if greater; For Reissues, see below	126	240	126	240	Submission of information Disclosure Stmt	
Large Entity Small Entity Fee Fee Fee Fee Fee Description	581	40	581	40	Recording each patent assignment per property (times number of properties)	
Code (\$) Code (\$)	1					
103 18 203 9 Claims in excess of 20	146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
102 80 202 40 Independent claims in excess of 3	149	710	249	355	For each additional invention to be examined (37 CFR § 1 129(b))	
104 270 204 135 Multiple dependent claim, if not paid	I					
109 80 209 40 **Reissue independent claims over onginal patent	Other f	fee (spe	cify) _			
110 18 210 9 **Reissue claims in excess of 20 and over original patent	Other t	fee (spe	cify) _			
SURTOTAL (2) (\$)-0-	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) -0-					

SUBMITTED BY	Complete (if a	(if applicable)		
Name (Print/Type)	Kevin E. Flynn	Registration No. (Attorney/Agent) 37,325	Telephone	(919) 544 5444
Signature	Kenn , Flyn		Date	April 12, 2001

WARNING: Information on this form may become public. Credit card information should not be Included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO. Assistant commissioner for Patents, Washington, DC 20231